

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number  
**WO 2005/063093 A1**

(51) International Patent Classification<sup>7</sup>: **A47J 31/44**,  
B65D 81/00

(74) Agents: **SCHOUTEN, Marcus, M.** et al.; Prof. Holstlaan  
6, NL-5656 AA Eindhoven (NL).

(21) International Application Number:  
PCT/IB2004/052858

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
20 December 2004 (20.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03104870.5 22 December 2003 (22.12.2003) EP

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];  
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

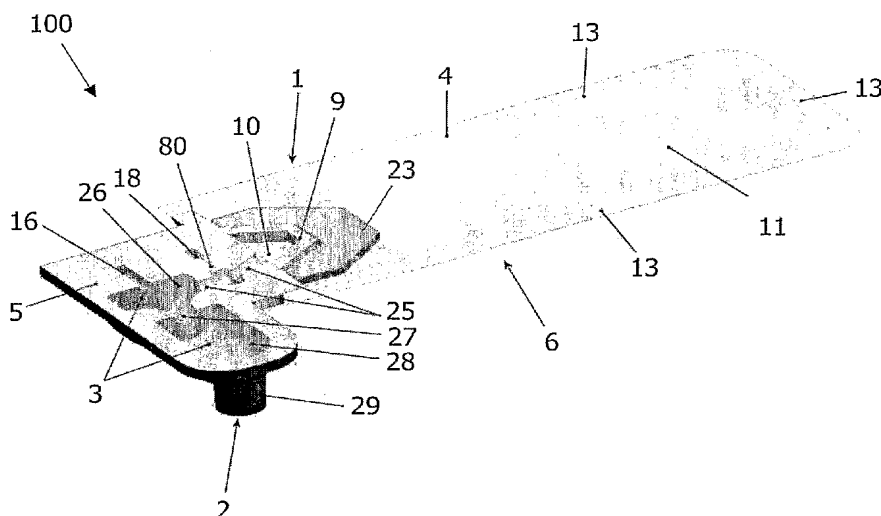
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **VAN DER MEER, Sijtze** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **DRENT, Gertjan** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

**Published:**  
— with international search report

[Continued on next page]

(54) Title: LIQUID CARTRIDGE FOR USE IN A BEVERAGE SYSTEM



(57) Abstract: The invention relates to a device (1) for preparing a heated liquid for use with a beverage-making appliance (15), said device (1) comprising a liquid transport channel (25) in communication with a liquid reservoir (11) which discharges into a first chamber (26), said first chamber (26) comprising a steam inlet (16) which is connectable to a steam generator (32), and a second chamber (28) which is connected to the first chamber (26) via a restriction (27) and which has a liquid outlet (29), wherein the device for preparing a heated liquid comprises a cartridge (100) in which the liquid reservoir (11), the liquid transport channel (25), the first chamber (26), the steam inlet (16), the restriction (27), the second chamber (28), and the liquid outlet (29) are provided. All components of the device are integrated into one cartridge, so the cartridge can be discarded after use. Thus a hygienic device is provided which is also user-friendly because it does not have to be cleaned after use.

WO 2005/063093 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*